

CTR Employer Survey Report

Thank you for completing your Commute Trip Reduction survey. This report contains the survey results.

Employer Id : E81596

Employer : Aerojet General Corporation

Worksite : Aerojet

Street : 11441 139th Pl Ne

Jurisdiction : City of Redmond

Participation : CTR

Status : Affected

Survey Type : Online

Response Rate : 73%

Survey Date : 5/25/2017

Non-Drive Alone & One-Way VMT Rates at this Worksite

Non-Drive Alone Rate : 22.7%

Drive Alone Rate : 77.3%

One-Way VMT per employee : 13.7

Average One-Way distance home to work : 16.4

Employees and Survey Response Information

Reported Total Employees at Worksite: 383

Surveys Distributed : 383

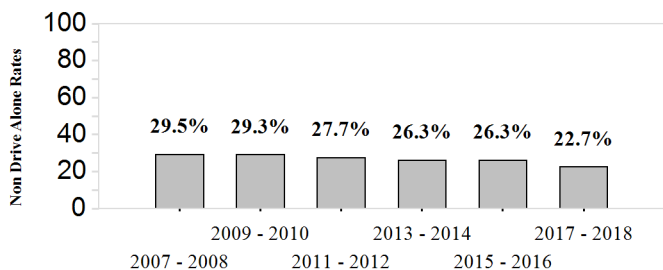
Surveys Returned : 281

Surveys Returned by CTR Affected* Employees : 241

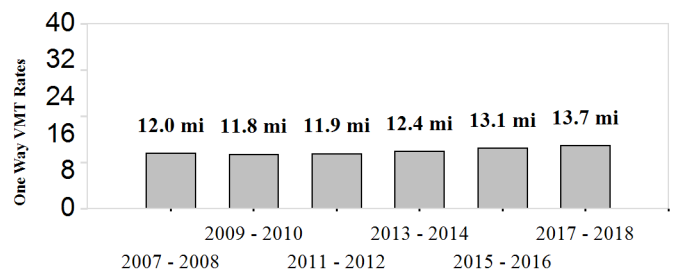
Total Estimated CTR Affected Employees at Worksite : 328

**CTR Affected employees filled out the survey as being full-time and commuting (typically) to work at least twice between 6a and 9a, Monday through Friday.*

Non Drive Alone Rates - ALL Employees



One Way VMT per Employee - ALL Employees



Site History and Targets

Annual Metric Tons CO2e Pounds CO2e

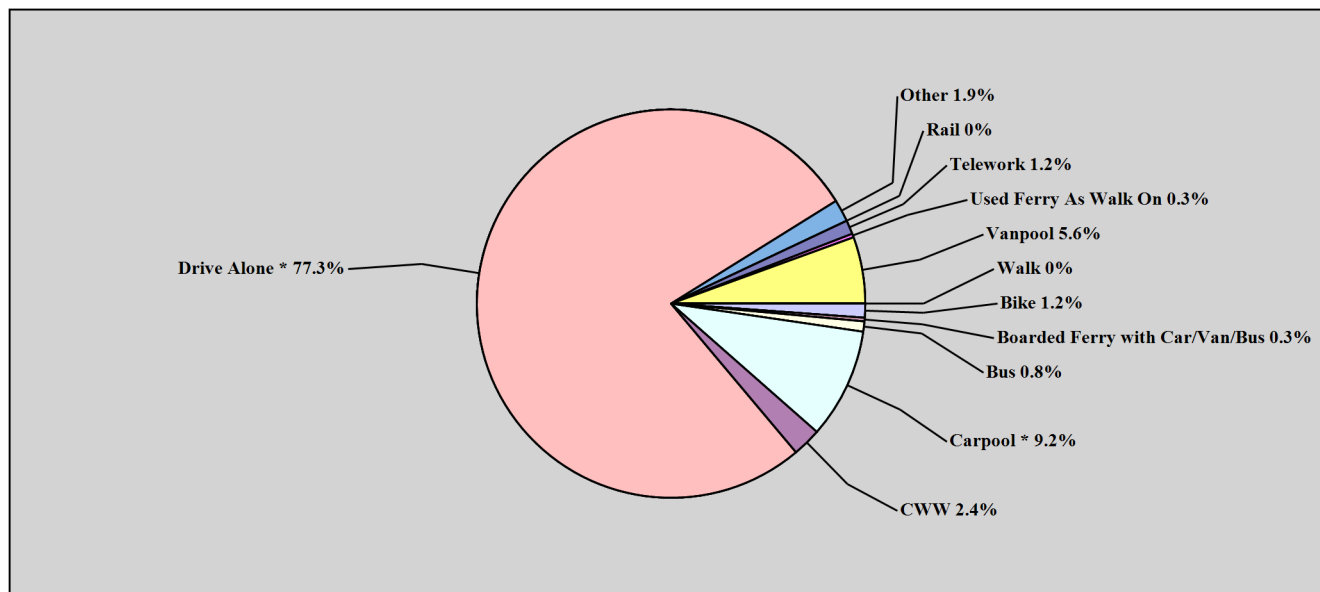
Cycle	Non Drive Alone Rate - All	Non Drive Alone Rate - CTR Affected	Emissions for Surveyed Employees	Estimated Emissions for Total Employment	GHG per Employee's Roundtrip	VMT per Employee - All	VMT per Employee - CTR Affected
2007 - 2008	29.5%	30.5%	872	1018	23.4	12.0	11.3
2009 - 2010	29.3%	28.8%	713	995	22.9	11.8	11.9
2011 - 2012	27.7%	27.0%	812	1063	24.5	11.9	11.5
2013 - 2014	26.3%	27.3%	805	1133	26.1	12.4	12.2
2015 - 2016	26.3%	26.1%	971	1284	29.6	13.1	12.5
2017 - 2018	22.7%	24.1%	790	1077	24.8	13.7	13.4
Target	35.5%				Target:	9.8	
% Point Change Target:	6.0				% Change Target:	-18.0%	
% Point Change from Baseline:	-6.8				% Change from Baseline:	14.2%	

GHG calculations are based on VMT and estimated total round-trip commutes for all employees. Modes that contribute to GHG include driving alone, carpooling, vanpooling, and riding a motorcycle. The use of other modes (e.g., transit, rail, walking, ferry) do not increase a worksite's GHG calculation. For more information about how GHG is calculated, please contact your jurisdiction's representative.

Commute Trips By Mode - All Employees

Q.4: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - All Employees



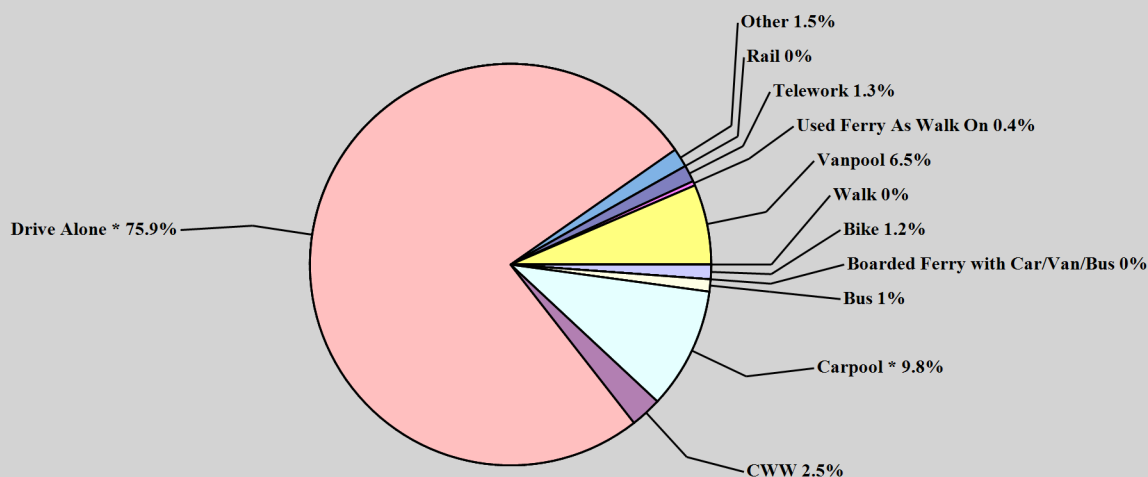
Mode	Trips During This Survey	% of Trips During This Survey	% of Trips During Previous Survey	Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During Previous Survey
Drive Alone *	1,002	77.3%	73.7%	245	87.2%	84.9%
Carpool *	119	9.2%	9.8%	33	11.7%	13.5%
Vanpool	72	5.6%	8.5%	22	7.8%	11.4%
Bus	11	0.8%	0.3%	3	1.1%	0.5%
Rail	0	0.0%	0.0%	0	0.0%	0.0%
Bike	15	1.2%	1.9%	5	1.8%	4.8%
Walk	0	0.0%	0.0%	0	0.0%	0.0%
Telework	15	1.2%	0.7%	7	2.5%	2.1%
CWW	31	2.4%	4.1%	30	10.7%	16.7%
Boarded Ferry with Car/Van/Bus	4	0.3%	0.2%	1	0.4%	0.3%
Used Ferry As Walk On	4	0.3%	0.2%	1	0.4%	0.3%
Other	24	1.9%	0.5%	7	2.5%	0.8%

* Motorcycle-1 is now included in Drive Alone and Motorcycle-2 is included in Carpool. Information about these trips is still available by request.

Commute Trips By Mode - Affected Employees

Q.4: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - CTR Affected Employees



Mode	Trips During This Survey	% of Trips During This Survey	% of Trips During Previous Survey	Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During Previous Survey
Drive Alone *	845	75.9%	73.9%	209	86.7%	86.0%
Carpool *	109	9.8%	8.6%	31	12.9%	12.2%
Vanpool	72	6.5%	9.7%	22	9.1%	13.1%
Bus	11	1.0%	0.4%	3	1.2%	0.6%
Rail	0	0.0%	0.0%	0	0.0%	0.0%
Bike	13	1.2%	2.3%	4	1.7%	5.6%
Walk	0	0.0%	0.0%	0	0.0%	0.0%
Telework	15	1.3%	0.6%	7	2.9%	2.2%
CWW	28	2.5%	4.2%	27	11.2%	17.8%
Boarded Ferry with Car/Van/Bus	0	0.0%	0.0%	0	0.0%	0.0%
Used Ferry As Walk On	4	0.4%	0.3%	1	0.4%	0.3%
Other	17	1.5%	0.1%	6	2.5%	0.3%

* Motorcycle-1 is now included in Drive Alone and Motorcycle-2 is included in Carpool. Information about these trips is still available by request.

Alternative Modes - Number of Employees Who Used a Non-Drive Alone Mode:

Non-Drive Alone Number Of Days	Exactly this # of Employees	Exactly this % of Employees	At least # of Employees	At least % of employees
0 Day	186	66%	281	100%
1 Days	21	7%	95	34%
2 Days	12	4%	74	26%
3 Days	19	7%	62	22%
4 Days	28	10%	43	15%
5 Days	12	4%	15	5%
6 or More Days	3	1%	3	1%

Count by Occupancy of Carpools and Vanpools

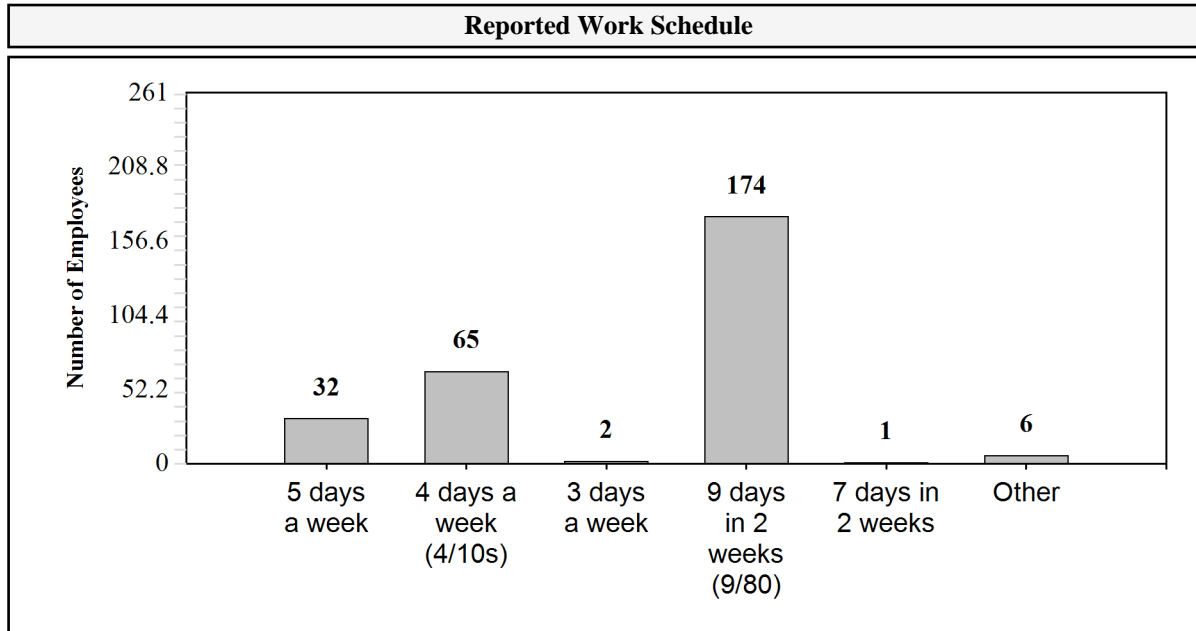
Q.5 If you used a carpool or vanpool as part of your commute, how many people (age 16 or older) are usually in the vehicle?

Ridesharing Occupancy	Mode	Response Count
2*	Carpool	100
3	Carpool	17
4	Carpool	2
5	Carpool	0
>5	Carpool	0
<5	Vanpool	17
5	Vanpool	23
6	Vanpool	16
7	Vanpool	7
8	Vanpool	7
9	Vanpool	0
10	Vanpool	2
11	Vanpool	0
12	Vanpool	0
13	Vanpool	0
14	Vanpool	0
>14	Vanpool	0

* Motorcycle-2 counted with Carpool-2 for this table.

Reported Work Schedule - All Employees

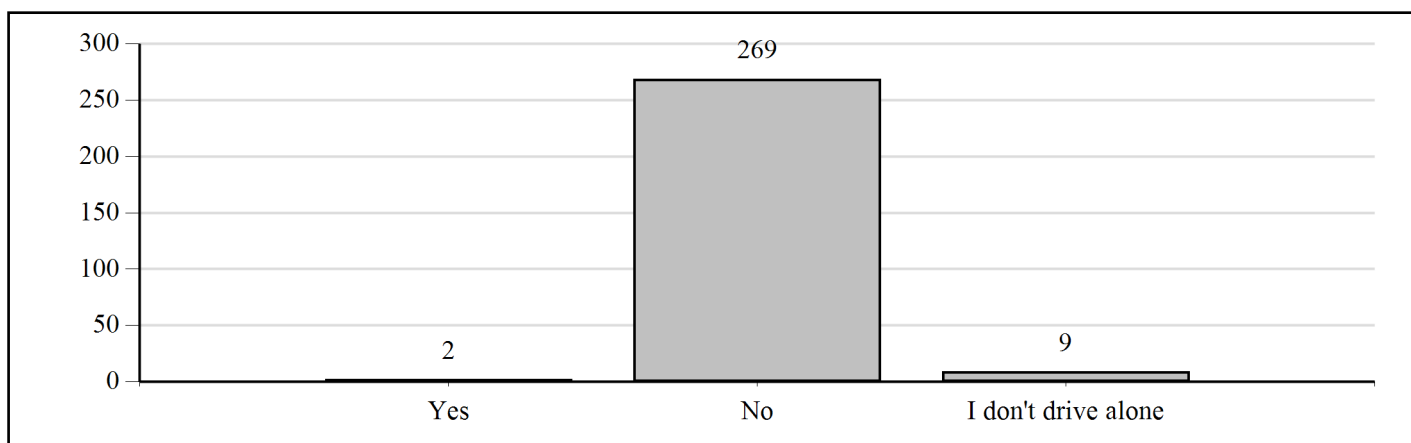
Q.8 Which of the following best describes your work schedule?



Reported Work Schedule	# Of Responses	% Of Employees
5 days a week	32	11.4%
4 days a week (4/10s)	65	23.2%
3 days a week	2	0.7%
9 days in 2 weeks (9/80)	174	62.1%
7 days in 2 weeks	1	0.4%
Other	6	2.1%

Parking and Telework

Q.9: On the most recent day that you drove alone to work, did you pay to park? (Mark "yes" if you paid that day, if you prepaid, if you are billed later, or if the cost of parking is deducted from your paycheck.)



Q.10: How many days do you typically telework?

Telework Frequency	# of Responses	% of Responses
No Answer/Blank	0	0.0%
I don't telework	195	69.4%
Occasionally, on an as-needed basis	62	22.1%
1-2 days/month	19	6.8%
1 day/week	2	0.7%
2 days/week	1	0.4%
3 days/week	2	0.7%

Reasons for driving alone to work/not driving alone to work

Q11. When you do not drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
To save money	89	17.0%
Financial incentives for carpooling, bicycling or walking.	59	11.3%
To save time using the HOV lane	59	11.3%
Other	58	11.1%
Personal health or well-being	56	10.7%
Environmental and community benefits	52	9.9%
I have the option of teleworking	41	7.8%
Free or subsidized bus, train, vanpool pass or fare benefit	36	6.9%
Emergency ride home is provided	32	6.1%
Driving myself is not an option	28	5.4%
Preferred/reserved carpool/vanpool parking is provided	7	1.3%
Cost of parking or lack of parking	3	0.6%
I receive a financial incentive for giving up my parking space	3	0.6%

Q12. When you drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
I like the convenience of having my car	191	27.7%
Riding the bus or train is inconvenient or takes too long	181	26.3%
Family care or similar obligations	99	14.4%
Other	79	11.5%
My commute distance is too short	69	10.0%
Bicycling or walking isn't safe	41	6.0%
I need more information on alternative modes	14	2.0%
My job requires me to use my car for work	14	2.0%
There isn't any secure or covered bicycle parking	1	0.1%

Commute Mode By ZipCode for All Employees

Q6. What is your home zip code?

Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98012	18	6.41%	78	4	0	0	0	0	0	0	0	2	0	0	0
98034	17	6.05%	69	4	0	0	3	0	5	0	0	0	0	0	0
98052	16	5.69%	59	9	0	0	0	0	0	0	0	3	0	0	4
98019	12	4.27%	53	0	0	0	0	0	0	0	0	3	0	0	0
98272	11	3.91%	34	7	7	0	0	0	0	0	0	0	0	0	0
98290	11	3.91%	28	12	7	0	0	0	0	0	2	1	0	0	0
98296	10	3.56%	31	12	3	0	0	0	0	0	0	1	0	0	0
98028	9	3.20%	33	0	0	1	3	0	0	0	0	1	0	0	0
98077	9	3.20%	36	0	0	3	0	0	2	0	0	0	0	0	0
98021	8	2.85%	29	0	0	0	0	0	3	0	6	1	0	0	0
98053	8	2.85%	29	0	0	0	0	0	0	0	0	0	0	0	5
98208	8	2.85%	35	0	4	0	0	0	0	0	0	0	0	0	0
98011	7	2.49%	27	2	0	0	0	0	0	0	0	2	0	0	0
98033	7	2.49%	26	0	0	0	0	0	5	0	0	1	0	0	2
98008	6	2.14%	19	4	0	0	0	0	0	0	0	0	0	0	7
98031	5	1.78%	17	0	4	0	0	0	0	0	0	0	0	0	0
98072	5	1.78%	21	0	0	0	0	0	0	0	0	2	0	0	0
98125	5	1.78%	23	0	0	0	0	0	0	0	0	2	0	0	0
98258	5	1.78%	18	0	0	0	0	0	0	0	0	0	0	0	0
98006	4	1.42%	19	0	0	0	0	0	0	0	0	0	0	0	0
98014	4	1.42%	19	0	0	0	0	0	0	0	0	0	0	0	0
98087	4	1.42%	13	7	0	0	0	0	0	0	0	0	0	0	0
98115	4	1.42%	7	0	10	0	0	0	0	0	1	3	0	0	0
98203	4	1.42%	5	8	0	0	0	0	0	0	0	0	0	0	0
98204	4	1.42%	12	2	0	0	0	0	0	0	2	0	0	0	0
98004	3	1.07%	13	0	0	0	0	0	0	0	0	0	0	0	0



Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98074	3	1.07%	13	0	0	0	0	0	0	0	0	0	0	0	0
98270	3	1.07%	13	0	0	0	0	0	0	0	0	0	0	0	0
98271	3	1.07%	6	7	0	0	0	0	0	0	0	0	0	0	0
98005	2	0.71%	9	0	0	0	0	0	0	0	0	0	0	0	0
98007	2	0.71%	7	2	0	0	0	0	0	0	0	1	0	0	0
98024	2	0.71%	3	7	0	0	0	0	0	0	0	0	0	0	0
98026	2	0.71%	10	0	0	0	0	0	0	0	0	0	0	0	0
98036	2	0.71%	10	0	0	0	0	0	0	0	0	0	0	0	0
98038	2	0.71%	6	0	3	0	0	0	0	0	0	1	0	0	0
98042	2	0.71%	5	0	0	0	0	0	0	0	0	0	0	0	0
98059	2	0.71%	5	4	0	0	0	0	0	0	0	0	0	0	0
98075	2	0.71%	11	0	0	0	0	0	0	0	0	0	0	0	0
98092	2	0.71%	1	0	7	0	0	0	0	0	0	1	0	0	0
98105	2	0.71%	6	0	0	0	0	0	0	0	3	0	0	0	0
98109	2	0.71%	5	0	4	0	0	0	0	0	0	1	0	0	0
98117	2	0.71%	1	0	7	0	0	0	0	0	0	1	0	0	0
98133	2	0.71%	7	0	3	0	0	0	0	0	0	0	0	0	0
98155	2	0.71%	10	0	0	0	0	0	0	0	0	0	0	0	0
98166	2	0.71%	9	1	0	2	0	0	0	0	0	0	0	0	0
98178	2	0.71%	9	0	0	0	0	0	0	0	0	0	0	0	0
98201	2	0.71%	11	0	0	0	0	0	0	0	0	0	0	0	0
	1	0.36%	0	4	0	0	0	0	0	0	0	0	0	0	0
10918	1	0.36%	5	0	0	0	0	0	0	0	0	0	0	0	0
38370	1	0.36%	0	0	0	0	5	0	0	0	0	0	0	0	0
98001	1	0.36%	1	4	0	0	0	0	0	0	0	0	0	0	0
98003	1	0.36%	4	1	0	0	0	0	0	0	0	0	0	0	0
98037	1	0.36%	0	0	4	0	0	0	0	0	0	0	0	0	0
98043	1	0.36%	4	0	0	0	0	0	0	0	0	1	0	0	0
98055	1	0.36%	5	0	0	0	0	0	0	0	0	0	0	0	0



Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98056	1	0.36%	7	0	0	0	0	0	0	0	0	0	0	0	0
98088	1	0.36%	0	0	0	0	0	0	0	0	0	0	0	0	4
98102	1	0.36%	0	0	4	0	0	0	0	0	0	0	0	0	0
98103	1	0.36%	4	0	0	0	0	0	0	0	0	1	0	0	0
98104	1	0.36%	4	0	0	0	0	0	0	0	0	0	0	0	0
98107	1	0.36%	3	0	2	0	0	0	0	0	0	0	0	0	0
98116	1	0.36%	4	0	0	0	0	0	0	0	0	1	0	0	0
98118	1	0.36%	5	0	0	0	0	0	0	0	0	0	0	0	0
98119	1	0.36%	1	0	3	0	0	0	0	0	0	0	0	0	0
98144	1	0.36%	3	0	0	0	0	0	0	0	0	0	0	0	0
98168	1	0.36%	0	3	0	0	0	0	0	0	0	0	0	0	1
98177	1	0.36%	5	0	0	0	0	0	0	0	0	0	0	0	0
98188	1	0.36%	4	0	0	0	0	0	0	0	0	0	0	0	0
98249	1	0.36%	0	0	0	0	0	0	0	0	0	0	4	0	0
98253	1	0.36%	0	0	0	0	0	0	0	0	0	0	0	4	0
98275	1	0.36%	4	0	0	0	0	0	0	0	0	0	0	0	0
98282	1	0.36%	4	0	0	0	0	0	0	0	0	1	0	0	0
98312	1	0.36%	4	0	0	0	0	0	0	0	1	0	0	0	0
98372	1	0.36%	0	4	0	0	0	0	0	0	0	0	0	0	1
98375	1	0.36%	0	5	0	0	0	0	0	0	0	0	0	0	0
98391	1	0.36%	1	4	0	0	0	0	0	0	0	0	0	0	0
98406	1	0.36%	4	0	0	0	0	0	0	0	0	0	0	0	0
98422	1	0.36%	7	0	0	0	0	0	0	0	0	0	0	0	0
98499	1	0.36%	5	0	0	0	0	0	0	0	0	0	0	0	0